Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/23/2018 10:11 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124727	-1	1.25	124778	1.24
Blue	F	SSC	125000	124692	-1	2.20	125407	2.18
Blue	E	FITC	15760	15280	-4	2.97	331	22.52
Blue	D	PE	25880	25262	-3	2.04	551	16.89
Blue	B	PerCP-Cy5-5	34075	34120	0	4.26	1043	22.23
Blue	A	PE-Cy7	22776	22840	0	7.35	550	44.78
Red	C	APC	42488	41652	-2	2.63	1583	13.05
Red	A	APC-Cy7	24478	24188	-2	2.77	839	12.83
Violet	B	V450	6304	6065	-4	4.07	342	16.78
Violet	A	V500	26005	24906	-5	3.61	585	13.31

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21193	4.68	604	7	N/A	N/A	Pass
Blue	F	SSC	56289	1.62	567	12	N/A	N/A	Pass
Blue	E	FITC	58	74.13	558	2	0.0156	191	Pass
Blue	D	PE	115	57.16	552	3	0.1224	278	Pass
Blue	B	PerCP-Cy5-5	198	54.29	653	6	0.0077	80	Pass
Blue	A	PE-Cy7	107	109.75	705	8	0.0092	22	Pass
Red	C	APC	377	28.06	599	-1	0.0212	210	Pass
Red	A	APC-Cy7	206	28.28	571	0	0.0048	981	Pass
Violet	B	V450	57	76.52	488	-1	0.0343	2935	Pass
Violet	A	V500	87	48.38	505	-1	0.0132	1380	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.83	-31.25	0.92
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.40
Red	17.34	13.60 - 20.40	N/A	N/A	30.95	31.61	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 12569

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments